

the meantime the comet's perihelion passage was computed to occur on November 23, but the comet was moving farther away from the Earth. On the evening of November 2, at 6^h 40^m, the comet was observed in R.A. 17^h 20^m 40^s, decl. north 25° 11', when it appeared brighter than at the last observation, and the first glimpse of a broad short tail was noted.

On November 11, when the comet was in R.A. 17^h 52^m 40^s, decl. north 7° 54', two tails were plainly seen nearly at right angles to each other. The more prominent one was pointed away from the Sun, the second tail to the northward. A drawing of the comet is herewith given as it appeared on this occasion, and another drawing showing its appearance on the evening of November 15, when only one tail was visible with the optical power at my command, and that pointing away from the Sun. The comet's position on this date, November 15, at 7^h 14^m, was R.A. 18^h 0^m 40^s, decl. north 2° 33'. The comet at its brightest was just visible to the naked eye, and readily picked up with a good opera or field glass.

As a matter of record in the enduring archives of the Royal Astronomical Society, may I be allowed to say that I have now been permitted to reach "my majority" in cometary discovery, this latest comet being my twenty-first? Thirteen of these were made with reflecting telescopes, of my own construction, of 5 and 9 inches aperture respectively. The remaining eight comets were discovered with the 10-inch equatorial refractor of this observatory.

Smith Observatory, Geneva, New York, U.S.A.:
1898 November 26.

Observations of Comet Coddington (c 1898). By John Tebbutt.

I have much pleasure in transmitting observations of comet Coddington (c 1898), comprising 67 nights' work, from 1898 June 15 to October 18. They were made with a square bar-micrometer on the 8-inch equatorial. The differential coordinates are corrected for errors in the orientation and form of the micrometer, and for the comet's proper motion, but not for refraction, which was hardly sensible. The comet was small throughout, with a condensation in its centre, and admitted of pretty accurate observations. The concluded values of R.A. and N.P.D. are uncorrected for parallax. I fear the comet will be too faint for re-observation after the full Moon; but should I succeed in picking it up again I will forward the observations in due time.

1898.	Winisior Mean Time. h m s	Comet—Star.		No. of Comps.	Comet's Apparent N.P.D.			Comp. Star.
		R.A.	N.P.D.		h	m	s	
June 15	8 26 27	- 4 54.64	- 9 56.0	2	16 14	3.18	117 16 5.3	1
16	7 39 35	- 1 19.81	+ 4 50.8	12	16 10	42.42	117 52 26.1	2
17	8 48 9	- 5 0.14	+ 9 45.0	8	16 7	2.51	118 31 32.1	3
22	8 27 41	- 0 33.11	+ 2 46.6	8	15 49	19.75	121 32 16.3	4
24	6 35 26	- 0 53.56	+ 8 49.4	15	15 42	27.55	122 38 48.9	5
25	7 2 43	- 2 51.60	+ 2 6.9	10	15 38	48.81	123 13 10.8	6
25	7 2 43	- 5 43.74	- 6 6.0	10	15 38	49.02	123 13 9.3	7
26	6 38 47	+ 1 31.19	+ 2 8.1	5	...	...	...	8
26	6 38 47	+ 0 45.07	+ 2 7.4	5	...	...	...	9
27	6 55 21	- 1 18.97	+ 0 26.7	8	15 31	43.50	124 18 41.2	10
27	6 55 21	- 1 44.65	- 1 0.9	8	...	...	...	11
27	6 55 21	- 4 31.69	- 4 34.7	8	15 31	43.64	124 18 41.2	12
28	6 44 6	+ 0 55.40	- 11 12.1	10	...	...	...	13
29	6 29 52	+ 4 23.62	- 4 21.3	2	15 24	45.66	125 21 15.5	14
29	6 29 52	+ 0 7.32	+ 3 37.6	2	15 24	45.46	125 21 15.9	15
July 3	6 33 1	- 1 56.00	+ 7 13.8	8	...	...	...	16
3	6 33 1	- 4 21.39	+ 8 32.5	8	...	...	...	17
3	6 33 1	- 4 40.17	+ 3 17.4	8	15 11	2.37	127 19 42.1	18
5	7 7 29	+ 0 41.03	- 9 1.2	10	15 4	19.91	128 15 29.3	19
6	6 43 49	- 0 50.67	- 1 49.1	10	...	...	...	20
7	6 57 55	+ 7 44.47	+ 7 17.7	7	14 57	54.79	129 7 50.0	21
8	6 40 56	+ 2 39.51	+ 2 40.5	10	14 54	48.90	129 32 45.5	22
8	6 40 56	- 0 57.49	+ 1 39.5	10	...	...	...	23
10	6 36 51	+ 4 0.12	- 1 56.1	8	...	..	..	24
10	6 36 51	+ 3 12.89	- 1 58.5	8	14 48	42.64	130 21 30.5	25
11	6 45 37	- 2 54.45	+ 2 23.0	4	14 45	43.84	130 45 1.2	26
12	9 19 58	+ 1 0.95	- 2 0.1	12	14 42	29.77	131 10 35.9	27
13	9 9 32	- 1 55.60	+ 6 20.1	10	...	...	...	28
13	9 9 32	- 3 57.78	+ 7 2.9	10	14 39	40.78	131 32 48.5	29
14	9 31 38	+ 2 37.13	+ 8 10.5	10	14 36	51.87	131 54 58.7	30
15	9 16 19	- 1 28.59	- 5 30.9	10	14 34	11.01	132 15 59.1	31
18	9 36 26	+ 2 42.52	- 7 19.0	10	14 26	25.22	133 17 35.6	32
19	9 18 31	- 4 10.59	+ 1 40.0	10	...	...	...	33
20	8 46 7	+ 3 26.87	+ 4 34.3	8	14 21	41.91	133 55 48.5	34
21	8 46 16	+ 3 45.89	+ 2 45.4	6	14 19	23.50	134 14 39.2	35
21	8 46 16	- 5 52.98	- 7 0.2	6	14 19	23.30	134 14 39.9	36
22	9 0 35	+ 2 51.97	- 10 0.9	9	14 17	7.35	134 33 22.3	37
24	7 40 52	- 4 21.08	- 3 47.0	10	14 12	58.39	135 8 34.6	38

Dec. 1898.

Comet Coddington (c 1898).

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1898.	Windsor Mean Time. h m s	Comet—Star.			No. of Comps.	Comet's Apparent R.A. N.P.D.			Com- star.
		R.A.	N.P.D.	"		h	m	s	
July 26	9 5 36	- 4 4'53	+ 9 0'1	10 14	8 51'30	135 44	41'7	39	
27	8 31 23	- 7 59'06	- 10 37'5	4	...	...	...	40	
27	8 31 23	- 9 31'49	- 10 56'1	4	...	...	...	41	
27	8 31 23	- 11 21'94	- 2 54'3	4 14	7 0'36	136 1 31'2	42		
28	9 1 9	+ 0 35'79	- 7 17'3	10	...	...	...	43	
28	9 1 9	- 5 32'08	- 7 47'4	10 14 5	7'67	136 18 55'3	44		
29	8 42 7	- 1 9'05	+ 9 21'7	10	...	...	...	45	
31	8 38 27	- 0 30'11	+ 1 58'4	10 14 0	2'03	137 8 31'9	46		
31	8 38 27	- 4 11'47	- 9 8'6	10 14 0	2'06	137 8 29'2	47		
Aug. 1	9 10 59	- 5 48'71	+ 7 37'0	8 13 58	24'80	137 25 14'7	47		
5	8 23 41	+ 3 0'04	+ 5 7'5	10 13 52	42'46	138 29 0'4	48		
5	8 23 41	+ 1 19'63	- 2 40'5	10 13 52	42'43	138 29 0'6	49		
6	8 16 38	+ 0 59'66	+ 7 33'7	1	...	...	...	50	
8	7 34 41	+ 0 4'47	+ 4 41'3	10	...	...	...	51	
9	8 31 39	+ 6 34'72	- 5 8'0	6 13 47	53'60	139 32 13'7	52		
9	8 31 39	+ 4 12'27	- 6 36'7	6	...	...	...	53	
11	7 44 58	- 6 57'67	+ 10 21'9	4 13 45	49'75	140 3 9'8	54		
12	7 34 1	- 1 22'28	- 6 39'9	7 13 44	54'13	140 18 45'2	55		
14	7 53 24	+ 2 51'47	- 5 18'0	10 13 43	6'05	140 50 24'4	56		
17	7 52 59	+ 1 9'32	- 10 15'6	10 13 40	47'95	141 37 51'4	57		
19	7 37 24	- 0 10'21	+ 8 59'3	10 13 39	30'58	142 9 35'3	58		
20	7 29 47	- 6 35'62	+ 6 52'5	10 13 38	55'68	142 25 34'1	59		
20	7 29 47	- 6 37'63	+ 6 46'5	10 13 38	55'54	142 25 34'1	60		
21	7 50 45	- 2 10'09	- 4 48'4	10 13 38	23'43	142 41 59'4	61		
22	7 56 19	+ 4 26'29	+ 0 56'1	10 13 37	54'08	142 58 15'1	62		
23	7 34 4	- 0 30'87	+ 0 54'4	10	...	...	...	63	
26	7 47 26	+ 1 6'40	+ 1 2'2	10 13 36	21'48	144 4 0'5	64		
Sept. 6	7 33 32	+ 3 5'40	+ 8 28'3	10 13 35	16'92	147 15 5'5	65		
6	7 33 32	- 1 38'19	+ 10 10'5	10 13 35	16'62	147 15 6'8	66		
7	7 59 8	+ 1 40'46	+ 8 50'1	4 13 35	24'38	147 33 44'2	67		
8	7 35 39	+ 4 5'39	- 2 12'5	8 13 35	33'39	147 51 50'0	68		
8	7 35 39	- 3 21'06	+ 7 37'8	8 13 35	33'31	147 51 50'9	69		
10	7 21 5	+ 0 43'28	+ 12 14'4	8 13 36	0'32	148 28 53'9	70		
11	7 30 44	+ 1 50'19	+ 5 4'3	10 13 36	14'98	148 48 6'3	71		
11	7 30 44	- 0 55'18	+ 4 22'0	10 13 36	14'91	148 48 3'9	72		
12	7 25 57	- 5 14'34	+ 7 32'0	7 13 36	32'61	149 7 5'2	73		
13	7 27 25	- 5 37'35	+ 1 10'3	7	...	...	...	74	
15	7 32 30	- 4 37'16	- 9 33'1	8 13 37	39'23	150 5 28'6	75		

1898.	Windзор Mean Time.	Comet—Star.			No. of Comps.	Comet's Apparent			Comp. Star.
		R.A.	N.P.D.	R.A.		N.P.D.	Comp.		
Sept. 16	h m s	h m s	h m s	h m s	10	h m s	h m s	h m s	
16	7 27 1	- 3 370	+ 7 0'8	10 13 38	6.71	150 25	20'3	76	
16	7 27 1	- 4 947	+ 10 20'1	10 13 38	6.91	150 25	21.5	75	
18	7 11 27	+ 3 22.15	- 8 21.5	6 13 39	5.86	151 5	21.8	77	
18	7 11 27	+ 2 48.82	- 6 39.4	6 13 39	6.02	151 5	23.1	78	
20	7 24 39	+ 1 0.83	- 10 13.6	7 13 40	15.15	151 46	33.5	79	
20	7 24 39	- 2 36.26	+ 0 8.7	7 13 40	14.86	151 46	33.4	80	
23	7 26 24	- 3 1.86	- 1 45.7	10 13 42	16.51	152 49	40.7	81	
30	7 25 41	- 2 31.28	+ 5 36.0	4 13 48	24.89	155 24	1.6	82	
Oct.	3 7 26 46	+ 4 43.94	+ 9 7.0	3 13 51	42.93	156 33	19.9	83	
3	7 26 46	+ 4 40.97	+ 9 25.0	3 13 51	43.11	156 33	21.6	84	
5	7 32 51	+ 2 43.04	- 0 6.5	8 13 54	12.89	157 20	49.5	85	
5	7 32 51	+ 2 23.98	- 0 32.3	8 13 54	12.77	157 20	49.8	86	
6	7 47 32	- 4 6.96	+ 5 10.9	5 13 55	33.49	157 45	0.8	87	
6	7 47 32	- 5 17.77	+ 5 26.0	5 13 55	33.74	157 45	1.9	88	
9	7 32 36	+ 5 35.99	- 8 2.5	4	...	...	...	89	
10	7 41 45	- 1 4.44	+ 8 32.5	10 14 1	34.77	159 23	0.7	90	
15	7 45 20	+ 6 19.08	- 8 17.9	4 14 10	51.47	161 30	37.0	91	
18	7 41 31	- 0 53.89	+ 5 43.7	10 14 17	42.63	162 49	32.3	92	

Adopted Mean Places of the Comparison Stars for 1898.0.

Star.	Mean R.A.	Red. to		Mean N.P.D.	Red. to		Authorities.
		App.	R.A.		App.	N.P.D.	
1	16 18 53.56	+ 4.26		117 25 48.4	+ 12.9		Arg.-Oeltzen 15599-600; Argent. Gen. Cat. 22232.
2	16 11 57.98	+ 4.25		117 47 21.7	+ 13.6		Arg.-Oeltzen 15482; Argent. Gen. Cat. 22077; Stone, 8858.
3	16 11 58.38	+ 4.27		118 21 33.4	+ 13.7		Arg.-Oeltzen 15481; Argent. Gen. Cat. 22078; Stone, 8857; Radcliffe, 1890, 4222.
4	15 49 48.58	+ 4.28		121 29 13.2	+ 16.5		Argent. Gen. Cat. 21576; Stone, 8653; Radcliffe, 1890, 4110.
5	15 43 16.84	+ 4.27		122 29 42.1	+ 17.4		Argent. Gen. Cat. 21432; Stone, 8594.
6	15 41 36.13	+ 4.28		123 10 46.2	+ 17.7		Argent. Gen. Cat. 21390.
7	15 44 28.45	+ 4.31		123 18 57.8	+ 17.5		Argent. Gen. Cat. 21454; Stone, 8602; Radcliffe, 1890, 4083.
8	15 33 42	+ 4.25		123 49	+ 18.6		Equatorial. Star = 10 mag.
9	15 34 28	+ 4.25		123 49	+ 18.5		Equatorial. Star = 10 mag.
10	15 32 58.21	+ 4.26		124 17 55.7	+ 18.8		Argent. Gen. Cat. 21198.

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Comet Coddington (*c* 1898).

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Star.	Mean R.A. h m s	Red. to		Red. to		Authorities.
		App. R.A. s	Mean N.P.D. ° ' "	App. N.P.D. "	N.P.D.	
11	15 33 24	+4.26	124 19 "	+18.8	Equatorial. Star=9 mag.	
12	15 36 11.05	+4.28	124 22 57.4	+18.5	Argent. Gen. Cat. 21274; Stone, 8333.	
13	15 27 17	+4.24	125 1 1	+19.5	Equatorial. Star=9 mag.	
14	15 20 17.85	+4.19	125 25 16.6	+20.2	Argent. Gen. Cat. 20903; Stone, 8395.	
15	15 24 33.92	+4.22	125 17 18.5	+19.8	Argent. Gen. Cat. 21003.	
16	15 12 54	+4.16	127 12	+21.5	Equatorial. Star=9 mag.	
17	15 15 20	+4.18	127 11	+21.3	Equatorial. Star=8½ mag.	
18	15 15 38.35	+4.19	127 16 3.4	+21.3	Argent. Gen. Cat. 20803; Stone, 8351.	
19	15 3 34.78	+4.10	128 24 7.9	+22.6	Argent. Gen. Cat. 20546; Stone, 8237.	
20	15 1 55	+4.09	128 43	+22.9	Equatorial. Star=8½ mag.	
21	14 50 6.35	+3.97	129 0 8.5	+23.8	Argent. Gen. Cat. 20221; Stone, 8128.	
22	14 52 5.40	+3.99	129 29 41.1	+23.9	Argent. Gen. Cat. 20274; Stone, 8150.	
23	14 55 42	+4.03	129 31	+23.6	Equatorial. Star=9 mag.	
24	14 44 39	+3.92	130 23	+24.7	Equatorial. Star=9 mag.	
25	14 45 25.82	+3.93	130 23 4.4	+24.6	Argent. Gen. Cat. 20120.	
26	14 48 34.33	+3.96	130 42 13.7	+24.5	" " 20185.	
27	14 41 24.94	+3.88	131 12 10.8	+25.2	" " 20026.	
28	14 41 32	+3.88	131 26	+25.2	Equatorial. Star=9 mag.	
29	14 43 34.66	+3.90	131 25 20.5	+25.1	Argent. Gen. Cat. 20081; Stone, 8067.	
30	14 34 10.95	+3.79	131 46 22.4	+25.8	Argent. Gen. Cat. 19858.	
31	14 35 35.79	+3.81	132 21 4.1	+25.9	Argent. Gen. Cat. 19889; Stone, 7993.	
32	14 23 39.05	+3.65	133 24 27.8	+26.8	Argent. Gen. Cat. 19604; Stone, 7893.	
33	14 28 8	+3.69	133 34	+26.7	Equatorial. Star=8½ mag.	
34	14 18 11.48	+3.56	133 50 47.0	+27.2	Argent. Gen. Cat. 19477; Stone, 7853.	
35	14 15 34.10	+3.51	134 11 26.4	+27.4	Argent. Gen. Cat. 19418.	
36	14 25 12.64	+3.64	134 21 13.0	+27.1	Argent. Gen. Cat. 19649; Stone, 7909.	
37	14 14 11.89	+3.49	134 42 55.6	+27.6	Argent. Gen. Cat. 19379; Stone, 7819.	
38	14 17 15.97	+3.50	135 11 54.0	+27.6	Argent. Gen. Cat. 19453.	
39	14 12 52.42	+3.41	135 35 13.8	+27.8	Argent. Gen. Cat. 19354; Melb. 187c, 723; Stone, 7806; Cape Cat. 1885, 982.	

Star.	Mean E.A. h m s	Red. to App. R.A. s	Mean N.P.D. h m s	Red. to App. N.P.D. " "	Authorities.
40	14 14 56	+3°43'	136 12 "	+27°9	Equatorial. Star = 9 mag.
41	14 16 28	+3°46'	136 12	+27°9	Equatorial. Star = 9 mag.
42	14 18 18.82	+3°48'	136 3 57.8	+27°7	Argent. Gen. Cat. 19482; Stone, 7855.
43	14 4 29	+3°28'	136 26	+28°3	Equatorial. Star = 7½ mag.
44	14 10 36.39	+3°36'	136 26 14.6	+28°1	Argent. Gen. Cat. 19318.
45	14 4 26	+3°26'	136 26	+28°2	Equatorial. Double star = 8½ and 9 mag. Preceding and south component employed.
46	14 0 28.97	+3°17'	137 6 5.1	+28°4	Argent. Gen. Cat. 19120; Stone, 7713.
47	14 4 10.30	+3°23'	137 17 9.4	+28°4	Argent. Gen. Cat. 19198.
47	14 4 10.30	+3°21'	137 17 9.4	+28°3	" " 19198.
48	13 49 39.49	+2°93'	138 23 24.2	+28°7	Argent. Gen. Cat. 18907; Stone, 7631.
49	13 51 19.84	+2°96'	138 31 12.4	+28°7	Argent. Gen. Cat. 18945; Stone, 7650.
50	13 50 21	+2°92'	138 36	+28°6	Equatorial. Star = 8½ mag.
51	13 48 55	+2°86'	139 11	+28°6	Equatorial. Star = 9½ mag.
52	13 41 16.15	+2°73'	139 36 53.0	+28°7	Argent. Gen. Cat. 18721; Stone, 7545.
53	13 43 39	+2°77'	139 38	+28°7	Equatorial. Star = 8½ mag.
54	13 52 44.56	+2°86'	139 52 19.4	+28°5	Argent. Gen. Cat. 18973; Stone, 7665.
55	13 46 13.67	+2°74'	140 24 56.5	+28°6	Argent. Gen. Cat. 18837; Stone, 7589.
56	13 40 11.97	+2°61'	140 55 13.9	+28°5	Argent. Gen. Cat. 18700; Stone, 7538.
57	13 39 36.10	+2°53'	141 47 38.7	+28°3	Argent. Gen. Cat. 18686.
58	13 39 38.30	+2°49'	142 0 7.9	+28°1	" " 18689.
59	13 45 28.75	+2°55'	142 18 13.5	+28°1	Argent. Gen. Cat. 18814; Stone, 7578.
60	13 45 30.62	+2°55'	142 18 19.5	+28°1	Argent. Gen. Cat. 18817; Stone, 7579.
61	13 40 31.07	+2°45'	142 46 19.8	+28°0	Argent. Gen. Cat. 18706; Stone, 7539.
62	13 33 25.47	+2°32'	142 56 51.2	+27°8	Melb. Cat. 1870, 683; Argent. Gen. Cat. 18559; Stone, 7478; Cape Cat. 1885, 935.
63	13 37 57	+2°37'	143 13	+27°8	Equatorial. Star = 8½ mag.
64	13 35 12.82	+2°26'	144 2 30.8	+27°5	Argent. Gen. Cat. 18587; Stone, 7491.
65	13 32 9.59	+1°93'	147 6 11.2	+26°0	Argent. Gen. Cat. 18532; Stone, 7468.
66	13 36 52.80	+2°01'	147 4 30.1	+26°2	Argent. Gen. Cat. 18622; Stone, 7513.
67	13 33 41.99	+1°93'	147 24 28.1	+26°0	Argent. Gen. Cat. 18564.

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Comet Coddington (c 1898).

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Star.	Mean R.A. h m s	Red. to App. R.A. s		Mean N.P.D. ° ' "	Red. to App. N.P.D. " "		Authorities.
68	13 31 26.13	+ 1.87	147 53 36.7	147 53 36.7	+ 25.8	Argent. Gen. Cat. 18513; Stone, 7457.	
69	13 38 52.38	+ 1.99	147 43 47.1	147 43 47.1	+ 26.0	Argent. Gen. Cat. 18663; Stone, 7527.	
70	13 35 15.16	+ 1.88	148 16 13.9	148 16 13.9	+ 25.6	Argent. Gen. Cat. 18586; Stone, 7492.	
71	13 34 22.95	+ 1.84	148 42 36.6	148 42 36.6	+ 25.4	Argent. Gen. Cat. 18572.	
72	13 37 8.21	+ 1.88	148 43 16.4	148 43 16.4	+ 25.5	Argent. Gen. Cat. 18626; Stone, 7516.	
73	13 41 45.02	+ 1.93	148 59 7.7	148 59 7.7	+ 25.5	Argent. Gen. Cat. 18727; Stone, 7547.	
74	13 42 34	+ 1.91	149 25	149 25	+ 25.4	Equatorial. Star = 8½ mag.	
75	13 42 14.55	+ 1.84	150 14 36.6	150 14 36.6	+ 25.1	Argent. Gen. Cat. 18738; Stone, 7550.	
75	13 42 14.55	+ 1.83	150 14 36.6	150 14 36.6	+ 24.8	Argent. Gen. Cat. 18738; Stone, 7550.	
76	13 41 8.60	+ 1.81	150 17 54.7	150 17 54.7	+ 24.8	Argent. Gen. Cat. 18715.	
77	13 35 42.06	+ 1.65	151 13 18.9	151 13 18.9	+ 24.4	Argent. Gen. Cat. 18596; Stone, 7498.	
78	13 36 15.54	+ 1.66	151 11 38.2	151 11 38.2	+ 24.3	Argent. Gen. Cat. 18611; Stone, 7504.	
79	13 39 12.67	+ 1.65	151 56 23.0	151 56 23.0	+ 24.1	Argent. Gen. Cat. 18668; Stone, 7528.	
80	13 42 49.40	+ 1.72	151 46 0.5	151 46 0.5	+ 24.2	Argent. Gen. Cat. 18755; Stone, 7554.	
81	13 45 16.70	+ 1.67	152 51 2.6	152 51 2.6	+ 23.8	Argent. Gen. Cat. 18803; Stone, 7574.	
82	13 50 54.61	+ 1.56	155 18 2.9	155 18 2.9	+ 22.7	Argent. Gen. Cat. 18931; Stone, 7643.	
83	13 46 57.59	+ 1.40	156 23 51.0	156 23 51.0	+ 21.9	Argent. Gen. Cat. 18845; Stone, 7595.	
84	13 47 0.74	+ 1.40	156 23 34.7	156 23 34.7	+ 21.9	Argent. Gen. Cat. 18846.	
85	13 51 28.45	+ 1.40	157 20 34.3	157 20 34.3	+ 21.7	Argent. Gen. Cat. 18939; Stone, 7647.	
86	13 51 47.38	+ 1.41	157 21 0.4	157 21 0.4	+ 21.7	Argent. Gen. Cat. 18950; Stone, 7651.	
87	13 59 38.93	+ 1.52	157 39 28.1	157 39 28.1	+ 21.8	Argent. Gen. Cat. 19094.	
88	14 0 49.97	+ 1.54	157 39 14.1	157 39 14.1	+ 21.8	" " 19121.	
89	13 54 18	+ 1.30	159 6	159 6	+ 21.0	Equatorial. Star = 9 mag.	
90	14 2 37.77	+ 1.44	159 14 7.1	159 14 7.1	+ 21.1	Melb. Cat. 1870, 713; Argent. Gen. Cat. 19164; Stone, 7733.	
91	14 4 31.13	+ 1.26	161 38 34.8	161 38 34.8	+ 20.1	Gilliss's Cat. 1850, 9875.	
92	14 18 35.08	+ 1.44	162 43 28.7	162 43 28.7	+ 19.9	" " 10059.	

Observatory, Peninsula, Windsor,
N.S. Wales: 1898 Oct. 29.

Cometary Observations at the Liverpool Observatory, 1897-8. By W. E. Plummer, M.A.

The following observations form a continuation of the series of measures published in May 1896. The remarks made in that place concerning the instrument employed and the nature of the micrometers apply equally well to these observations. The general faintness of the Comets that have been recently discovered has operated unfavourably in many cases, and, notwithstanding the number of these objects recently discovered, the number of observations is less than in former years.

Comet VII. 1896 (Perseus, December 8).

Greenwich Mean Time of Observation. 1896.	No. of Compari- sons.	Apparent R.A. of the object.	Declination.	No. of Compari- sons.	Apparent Declination of the object.	Star of Com- parison.				
Dec. 11	7 10 30.1	-2 21.99	25	1 9 53.22	+ 2 30.9	5	+ 5 23 10.2	- 8.8616	- 0.8143	1
22	7 0 55.0	+ 0 53.61	30	2 23 35.87	+ 5 8.2	6	+ 1 35 11.6	- 9.1169	- 0.8386	2
27	6 17 40.6	- 2 18.55	25	2 52 42.27	- 5 52.5	5	+ 0 28 3.8	- 9.3045	- 0.8450	3
27	6 17 40.6	- 2 3.88	25	2 52 42.34	- 0 56.7	5	+ 0 28 2.6	- 9.3045	- 0.8450	4
28	8 0 23.2	- 1 24.28	Ret.	2 58 34.21	- 10 49.8	Ret.	+ 0 16 29.2	- 8.7774	- 0.8457	5
30	8 40 7.3	+ 1 9.87	"	3 9 16.30	+ 10 15.3	"	- 0 2 19.7	- 7.7051	- 0.8474	6
1897.	5 7 42 37.9	- 1 41.53	25	3 38 0.62	- 0 47.4	5	- 0 37 56.5	- 8.9920	- 0.8506	7
8	8 2 0.4	- 3 6.97	30	3 51 4.70	- 4 17.4	6	- 0 46 8.3	- 8.8522	- 0.8514	8
20	7 3 51.2	- 0 58.25	Ret.	4 35 8.92	+ 3 11.8	Ret.	- 0 32 20.7	- 9.1785	- 0.8499	9
26	9 32 45.0	- 1 30.65	"	4 53 56.86	+ 5 3.4	"	- 0 6 38.5	+ 8.8988	- 0.8478	10
26	9 32 45.0	+ 0 35.0	"	4 53 56.73	- 5 1.6	"	- 0 6 41.2	+ 8.8988	- 0.8478	11